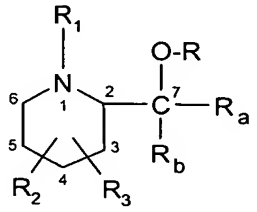
Claim Amendments

Claims 1-28. (cancelled)

Claim 29. (New) A process for protecting warm-blooded animals from pests comprising the application of an effective pesticidal amount of a compound of formula (I)



(I)

or one of its acid addition salts, wherein

R is hydrogen, C_1-C_{20}-alkyl or -C(O)-R_8; whereby R_8 is C_1-C_{20}-alkyl, C_1-C_{20}-alkoxy, unsubstituted phenyl or phenyl which is substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl, alkoxy, amino or nitro;

R_1 is hydrogen, C_1-C_{20}-alkyl, -C(O)-R_3, -C(S)-R_4, C(O)-O-R_5, -C(O)-NH-R_6 or -C(S)-NH-R_7; wherein R_3, R_4, R_5, R_6 and R_7, independently of one another, signify C_1-C_{10}-alkyl, acetoxy, C_1-C_{10}-haloalkyl, C_1-C_{10}-alkoxy or C_1-C_{10}-haloalkoxy, or independently of one another, denote unsubstituted phenyl or phenyl which is substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl, C_1-C_3-alkoxy, amino, CHO or nitro;

R_2 and R_3, independently of one another, are hydrogen, C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl, amino, aryl or nitro;

R_a denotes hydrogen, unsubstituted C_1-C_{20}-alkyl or C_1-C_{20}-alkyl which is substituted once or many times by halogen, cyano, hydroxyl, alkoxy, nitro, phenyl, biphenyl, benzyloxy or phenoxyphenyl, whereby each phenyl, biphenyl, benzyloxy or phenoxyphenyl in turn is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, C_1-C_3-alkoxy, halogen, cyano, hydroxyl, amino or nitro; or it denotes C_3-C_8-cycloalkyl, phenyl, biphenyl, phenoxyphenyl or heterocyclyl, whereby each of these cyclic radicals is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_2-C_6-alkenyl, C_1-

C_3-haloalkyl, C_1-C_3-haloalkoxy, C_1-C_3-alkoxy, halogen, cyano, hydroxyl, amino, $(C_1$-C_3-alkyl$)_2N$, acetyl or nitro; or it denotes C_1-C_6-alkylene-aryl, whereby the aryl radical is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl or nitro; or it denotes C_1-C_{20}-alkyl which, depending on the number of carbon atoms, is interrupted by oxygen at one or several positions; and

R_b signifies hydrogen, C_1-C_{20}-alkyl, heterocyclyl or aryl, whereby each of the cyclic radicals is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, C_2-C_6-alkenyl, halogen, cyano, hydroxyl, C_1-C_3-alkoxy, amino, $(C_1$-C_3-alkyl$)_2N$, or nitro; together with a spreading additive, to the skin, the pelt or the plumage of the warm-blooded animal.

Claim 30. (New) The process according to claim 29, comprising the application of the compound of formula (I) or one of its acid addition salts, wherein

R is hydrogen or C_1-C_6-alkyl;

R_1 is hydrogen, C_1-C_6-alkyl, -C(O)-R_3 or -C(S)-R_4; whereby R_3 and R_4 independently of one another, are C_1-C_3-alkyl, acetoxy, C_1-C_3-haloalkyl, or independently of one another, are unsubstituted phenyl or phenyl which is substituted once or more by C_1-C_3-alkyl, C_1-C_3-haloalkyl or halogen;

R_2 and R_3 independently of one another, are hydrogen or C_1-C_3-alkyl;

R_a is hydrogen, C_5-C_{20}-alkyl, C_3-C_8-cycloalkyl or phenyl, whereby each of the cyclic radicals is unsubstituted or is substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-alkoxy, halogen, amino, $(C_1$-C_3-alkyl$)_2N$, or acetyl; and

R_b is hydrogen, unsubstituted phenyl or phenyl which is substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-alkoxy, halogen, amino or $(C_1$-C_3-alkyl$)_2N$; including the acid addition salts thereof.

Claim 31. (New) The process according to claim 29, comprising the application of the compound of formula (I) or one of its acid addition salts, wherein R is hydrogen.

Claim 32. (New) The process according to claim 29 comprising the application of the compound of formula (I) or one of its acid addition salts, wherein R_1 is -C(O)-R_3, R_3 represents unsubstituted phenyl or phenyl which is substituted once or more by C_1-C_3-alkyl.

Claim 33. (New) The process according to claim 29 comprising the application of the compound of formula (I) or one of its acid addition salts, wherein R_2 and R_3, independently of each other, are hydrogen or methyl.

Claim 34. (New) The process according to claim 29 comprising the application of the compound of formula (I) or one of its acid addition salts, wherein R_a is C_5-C_{20}-alkyl, unsubstituted phenyl or phenyl which is substituted once or more by C_1-C_3-alkyl, methoxy or chlorine.

Claim 35. (New) The process according to claim 29 comprising the application of the compound of formula (I) or one of its acid addition salts, wherein R_a is a straight-chained C_7-C_{20}-alkyl.

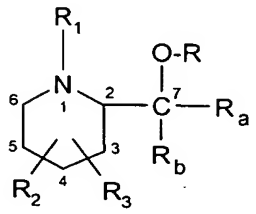
Claim 36. (New) The process according to claim 29, comprising the application of the compound of formula (I) or one of their acid addition salts selected from the group consisting of:

2-[n-(1-hydroxyhexyl)]piperidine, 2-[n-(1-hydroxyheptyl)]piperidine,
2-[n-(1-hydroxyheptyl)]-5-(tert.-butyl)piperidine, 2-[n-(1-hydroxyheptyl)]-5-(n-butyl)piperidine,
2-[n-(1-hydroxyoctyl)]piperidine, [n-(1-hydroxyoctyl)]-5-(n-propyl)-piperidine,
2-[n-(1-hydroxynonyl)]piperidine, 2-[n-(1-hydroxydecyl)]piperidine,
2-[n-(1-hydroxyundecyl)]piperidine, 2-[n-(1-hydroxydodecyl)]piperidine, 2-[n-(1-hydroxytridecyl)]-piperidine, 2-[n-(1-hydroxytetradecyl)]piperidine, 2-[n-(1-hydroxypentadecyl)]piperidine,
2-[n-(1-hydroxyhexadecyl)]piperidine, 2-[n-(1-hydroxyheptadecyl)]piperidine,
2-[n-(1-hydroxyoctadecyl)]piperidine, 2-[n-(1-hydroxynonadecyl)]piperidine,
2-[n-(1-hydroxyeicosyl)]piperidine, 2-[n-(1-hydroxyeneicosyl)]piperidine,
2-[(1-phenyl)(1-hydroxy)-methyl]piperidine, 2-[(1-[4-chorophenyl])(1-hydroxy)methyl]piperidine,
2-[(1-[2,4-dimethylphenyl])(1-hydroxy)methyl]-5,5-dimethyl-piperidine and 2-[(1-[3-chloro-phenyl])(1-hydroxy)methyl]-5, 5-dimethyl-piperidine.

Claim 37. (New) The process according to claim 29 wherein the compound of formula (I) is applied in the form of a pour-on or spot-on formulation.

Claim 38. (New) A process for controlling pests comprising the application of an effective amount of a compound of formula (I) according to claim 29 to the pest or its habitat.

Claim 39. (New) A composition for controlling pests comprising an effective pesticidal amount of a compound of formula (I)



(I)

or one of its acid addition salts, wherein

R is hydrogen, C_1-C_{20}-alkyl or -C(O)-R_8; whereby R_8 is C_1-C_{20}-alkyl, C_1-C_{20}-alkoxy, unsubstituted phenyl or phenyl which is substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl, alkoxy, amino or nitro;

R_1 is hydrogen, C_1-C_{20}-alkyl, -C(O)-R_3, -C(S)-R_4, C(O)-O-R_5, -C(O)-NH-R_6 or -C(S)-NH-R_7; whereby R_3, R_4, R_5, R_6 and R_7, independently of one another, signify C_1-C_{10}-alkyl, acetoxy, C_1-C_{10}-haloalkyl, C_1-C_{10}-alkoxy or C_1-C_{10}-haloalkoxy, or independently of one another, denote unsubstituted phenyl or phenyl which is substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl, C_1-C_3-alkoxy, amino, CHO or nitro;

R_2 and R_3, independently of one another, are hydrogen, C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl, amino, aryl or nitro;

R_a denotes hydrogen, unsubstituted C_1-C_{20}-alkyl or C_1-C_{20}-alkyl which is substituted once or many times by halogen, cyano, hydroxyl, alkoxy, nitro, phenyl, biphenyl, benzyloxy or phenoxyphenyl, whereby each phenyl, biphenyl, benzyloxy or phenoxyphenyl in turn is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, C_1-C_3-alkoxy, halogen, cyano, hydroxyl, amino or nitro; or it denotes C_3-C_8-cycloalkyl, phenyl, biphenyl, phenoxyphenyl or heterocyclyl, whereby each of these cyclic radicals is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_2-C_6-alkenyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, C_1-C_3-alkoxy, halogen, cyano, hydroxyl, amino, $(C_1$-C_3-alkyl$)_2$N, acetyl or nitro; or it denotes C_1-C_6-alkylene-aryl, whereby the aryl radical is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, halogen, cyano, hydroxyl or nitro; or it denotes C_1-C_{20}-alkyl which, depending on the number of carbon atoms, is interrupted by oxygen at one or several positions; and

R_b signifies hydrogen, C_1-C_{20}-alkyl, heterocyclyl or aryl, whereby each of the cyclic radicals is unsubstituted or substituted once or many times by C_1-C_3-alkyl, C_1-C_3-haloalkyl, C_1-C_3-haloalkoxy, C_2-C_6-alkenyl, halogen, cyano, hydroxyl, C_1-C_3-alkoxy, amino, $(C_1$-C_3-alkyl$)_2$N, or nitro; and a suitable carrier.

Claim 40. (New) A process for the preparation of a composition for controlling pests comprising mixing a compound of formula (I) according to claim 39 with a suitable carrier.

Claim 41. (New) A compound of formula (I) according to claim 39 selected from the group consisting of:

2-[n-(1-hydroxyhexyl)]piperidine, 2-[n-(1-hydroxyheptyl)]piperidine, 2-[n-(1-hydroxyoctyl)]-piperidine, 2-[n-(1-hydroxynonyl)]piperidine, 2-[n-(1-hydroxydecyl)]piperidine, 2-[n-(1-hydroxyundecyl)]piperidine, 2-[n-(1-hydroxydodecyl)]piperidine, 2-[n-(1-hydroxytridecyl)]-piperidine, 2-[n-(1-hydroxytetradecyl)]piperidine, 2-[n-(1-hydroxypentadecyl)]piperidine, 2-[n-(1-hydroxyhexadecyl)]piperidine, 2-[n-(1-hydroxyheptadecyl)]piperidine, 2-[n-(1-hydroxyo-ctadecyl)]piperidine, 2-[n-(1-hydroxynonadecyl)]piperidine, 2-[n-(1-hydroxyeicosyl)]piperidine and 2-[n-(1-hydroxyeneicosyl)]piperidine.

Claim 42. (New) The process according to claim 32 wherein R_3 represents phenyl substituted once or more by alkyl substituents selected from the group consisting of methyl, ethyl or isopropyl.

Claim 43. (New) The process according to claim 29 wherein the pests are selected from the group consisting of insects and acarina.